

David Brooks

Science Educator

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Instructional Assistant Professor of Anatomy & Physiology, Department of Natural Sciences,
Texas A&M University–San Antonio

Education

Texas A&M University (1989–1994)

Doctor of Philosophy (Ph.D.), Zoology- Comparative Neuroendocrinology

Texas A&M University (1986–1989)

Master of Science (M.S.), Plant Pathology and Microbiology

East Texas Baptist College (1979–1983)

Bachelor of Science (B.S.), Biology with minors in Chemistry and Religion

Professional Experience

Texas A&M University–San Antonio (Aug 2021–present)

Instructional Assistant Professor of Biology

- Coordinate Anatomy and Physiology courses.
- Serve on Health Professions Advisory Committee.

Texas A&M University–San Antonio (Aug 2020–Aug 2021)

Biology Lecturer

- Teach Anatomy and Physiology courses.
- Serve on Health Professions Advisory Committee.

Mobberly Baptist Church (June 2019–Dec 2019, part-time)

IT Assistant

- Provided Tier 1 technical service.
- Installed and supported Windows, Office, and network systems.

Hallsville Junior High School, HISD (Aug 2018–June 2019)

7th Grade Science Teacher

Christian Heritage School of Longview (Aug 2016–June 2017)

Dean of Faculty and Physics Instructor

- Taught Pre-AP Physics and Conceptual Physics.
- Evaluated faculty performance.

East Texas Baptist University (July 2008–May 2016)

Associate Professor

- Taught Human Anatomy & Physiology, Microbiology, Pathophysiology, General Biology, and Immunology.
- Co-coordinator for Health Professions Advising.
- Maintained and repaired physiological data acquisition systems, Leica microscopes, histological equipment, physiology models, and skeletons.

East Texas Baptist University (July 2002–July 2008)

Vice President

- Oversaw student-related units including residential life, student leadership, and campus activities.
- Developed master and budget plans for the division.
- Increased student satisfaction index from 80% to 92%.
- Maintained balanced budget.

Ouachita Baptist University (July 1998–June 2002)

Assistant Professor

- Taught Human Anatomy & Physiology I & II, Histology, Developmental Biology, and Life Science.
- Served as Health Professions Advisor.
- Conducted research on avian visual pathways and bat acoustical surveys.

LeTourneau University (July 1994–June 1998)

Assistant Professor

- Coordinated the Biology Program.
- Taught Animal Physiology, Cell Biology, Ecology, Genetics, Human A&P, Immunology, and Biochemistry.
- Served as Health Professions Advisor.

Professional Memberships and Conferences

Human Anatomy & Physiology Society (2020–2025)

- Annual Conference, May 2021
- Virtual Conference, Sept 2023
- Annual Conference, May 2024

Texas Association of Advisors for the Health Professions (2020–2025)

- Annual Conference, Feb 2026

American Association of Anatomists (2022–2025)

- AAA Regional Meeting: Anatomy and Osteopathic Medicine, Oct 2023

American Physiological Society (2024–2025)

Engaging Pedagogy Conference, Texas Lutheran University, May 2025

University Service

- Faculty Advisory Council (2026)
- Core Curriculum Committee, Chair (2025-present)
- Health Professions Advising Committee (2020-present)
- Dual Credit/Early College Faculty Advisory Committee (2022–present)
- Baptist Student Ministry Campus Sponsor (2022-present)
- College Awards and Nominations Committee (Fall 2023–present)
- Animal Physiology Faculty Search Committee (2021-2022)
- Population Genetics/Genomics and Biostatistics Faculty Search Committee (2023–2024)
- Faculty Senator (2025)
- Reviewer for Southwestern Naturalist (2025)

Community Service

- Science Olympiad Event Coordinator (2023, 2024, 2025)
- Mission City Church Volunteer, Sound and Light Technician
- Mission City Young Professionals Life Group Leader
- Mission City Preschool Bat presentation
- Hill Country Daily Bread Volunteer, Food for Families
- Mechanics on Mission, car repair for families in need.

Research and Publications

Presentations

- Survey of (Northeast) Texas Bat Reports: Connecting the Dots... – Texas Academy of Science, Feb 2015
- Teaching with TED – Texas Academy of Science, Feb 2014
- Acoustical Survey of Bats in Northeast Texas – Southeastern Bat Diversity Network, Feb 2014

Undergraduate Research Projects

- Mapping the Projections of the Avian Suprachiasmatic Nucleus
- Protective Effects of Melatonin Against Alcohol-Induced Embryonic Damage
- Survey of Bat Populations in Southwest Arkansas
- Analysis of Southwest Arkansas Bat Calls Using Analook Software
- Bat House Distribution and Local Bat Surveys at LeTourneau University
- Caddo Lake Model Park Field Trip Program

Publications

1. Brooks, D.S. "Learning as for the Lord," in College Faith 3, 2006.
2. Cassone, V.M., D.S. Brooks, T.A. Kelm. Comparative distribution of $2[125I]iodomelatonin$ binding in diurnal birds, Brain Behav. Evol., 1995.
3. Brooks, D.S. et al. Evaluation of endophytic bacteria as potential biological control agents for oak wilt, Biological Control, 1994.
4. Brooks, D.S. Developmental and Circadian Regulation of $2[125I]iodomelatonin$ Binding in the Chick Brain, Ph.D. Dissertation, 1994.
5. Cassone, V.M. et al. Melatonin, the pineal gland and circadian rhythms, J. Biol. Rhythms, 1993.
6. Cassone, V.M. et al. Integration of circadian and visual function in mammals and birds, Advances in Metabolic Mapping Techniques, 1992.
7. Brooks, D.S., V.M. Cassone. Daily and circadian patterns in $2[125I]iodomelatonin$ binding in chick brain, Endocrinology, 1992.
8. Cassone, V.M., D.S. Brooks. Sites of melatonin action in house sparrow brain, J. Exp. Zool., 1991.
9. Brooks, D.S. Evaluation of endophytic bacteria from live oaks as biological control of oak wilt, M.S. Thesis, 1989.